WHAT IS CLAIMED IS:

- 1. A two-part curable foaming composition comprising:
 - (A) A first part comprising:
 - (i) an alkoxysilyl capped prepolymer; and
 - (ii) a polyhydrogen siloxane;
 - (iii) optionally a catalyst which accelerates both foaming and cross-linking through said alkoxysilyl groups; and
 - (B) A second part comprising:
 - (i) a nitrogen-containing compound having an active hydrogen;
 - (ii) water; and
 - (iii) optionally a catalyst which accelerates both foaming and cross-linking through said alkoxysilyl groups;

provided that at least one of the parts contain a catalyst and wherein after mixing together the first and second parts a cured elastomeric foam is formed.

- 2. The two-part curable foaming composition of claim 1, wherein the elastomeric foam is formed under temperatures greater than ambient.
- 3. The two-part curable foaming composition of claim 1, wherein the first and/or second part further comprise a lubricous agent.
- 4. The two-part curable foaming composition of claim 1, wherein said lubricous agent comprises a silicone/polyether surfactant.
- 5. The two-part curable foaming composition of claim 3, wherein the surfactant creates a surface of the elastomeric foam.
- 6. The two-part curable foaming composition of claim 1, wherein the nitrogen-containing compound is a primary or secondary amine.

- 7. The two-part curable foaming composition of claim 1, wherein said catalyst is a strong Lewis base.
- 8. The two-part curable foaming composition of claim 1, wherein said catalyst is an amine condensation catalyst.
- 9. The two-part curable foaming composition of claim 1, wherein the catalyst is selected form the group consisting of 1,8-diazobicyclo (5,4,0)-undec-5-ene (DBU); dibutylamine; quinuclidine, 1,4-diazabicyclo(2,2,2) octane, and combinations thereof.
- 10. The two-part curable foaming composition of claim 1, wherein the alkoxysilyl capped prepolymer comprises the reaction product of a isocyanoalkylenetrialkoxy silane with a polyether diol.
- 11. The two-part curable foaming composition of claim 1, wherein the alkoxysilyl capped prepolymer comprises a trimethoxysilyl capped diurethane polyether.
- 12. The two-part curable foaming composition of claim 1, wherein the polyether diol comprises polypropylene oxide diol.
- 13. The two-part curable foaming composition of claim 1, wherein the foaming composition further comprises fillers, plasticizers, catalysts, stabilizer, lubricants, surfactants and combinations thereof.
- 14. An elastomeric foam comprising the reaction product of:
 - (A) A first part comprising:
 - (i) an alkoxysilyl capped prepolymer; and
 - (ii) a polyhydrogen siloxane;
 - (iii) optionally a catalyst which accelerates both foaming and cross-linking through said alkoxysilyl groups; and
 - (B) A second part comprising:

- (i) a nitrogen-containing compound having an active hydrogen;
- (ii) water; and
- (iii) optionally a catalyst which accelerates both foaming and cross-linking through said alkoxysilyl groups;

provided that at least one of the parts contain a catalyst and wherein after mixing together the first and second parts a cured elastomeric foam is formed.

- 15. A moisture curable foaming composition comprising an alkoxysilyl capped prepolymer, a polyhydrogen siloxane, a nitrogen-containing compound having an active hydrogen, and water.
- 16. A sound and vibration dampening composition comprising the foam of claim 1.
- 17. A composite structure comprising first and second substrates and an elastomeric foam positioned therebetween, said elastomeric foam comprising the reaction product of an alkoxysilyl capped prepolymer, a polyhydrogen siloxane, a nitrogen-containing compound having an active hydrogen, water, and a catalyst which accelerates both foaming and cross-linking through the alkoxysilyl groups.
- 18. A method of filling the gap between two substrate surfaces comprising:
 - (A) Providing a two-part curable foaming composition comprising:
 - (a) A first part comprising:
 - (i) an alkoxysilyl capped prepolymer; and
 - (ii) a polyhydrogen siloxane;
 - (iii) optionally a catalyst which accelerates both foaming and crosslinking through said alkoxysilyl groups; and
 - (b) A second part comprising:
 - (i) a nitrogen-containing compound having an active hydrogen;
 - (ii) water; and
 - (iii) optionally a catalyst which accelerates both foaming and crosslinking through said alkoxysilyl groups;

provided that at least one of the parts contain a catalyst and wherein after mixing

- together the first and second parts a cured elastomeric foam is formed.
- (B) Combining the parts in the gap between the substrates; and
- (C) Permitting the composition to form a cured foam therebetween.
- 19. A method of making a noise and vibration dampening seal between surfaces comprising the steps of:

introducing between the surfaces a composition comprising a mixture of:

- (A) A first part comprising:
 - (i) an alkoxysilyl capped prepolymer; and
 - (ii) a polyhydrogen siloxane;
 - (iii) optionally a catalyst which accelerates both foaming and cross-linking through said alkoxysilyl groups; and
- (B) A second part comprising:
 - (i) a nitrogen-containing compound having an active hydrogen;
 - (ii) water; and
 - (iii) optionally a catalyst which accelerates both foaming and cross-linking through said alkoxysilyl groups;

provided that at least one of the parts contain a catalyst and wherein after mixing together the first and second parts a cured elastomeric foam is formed; permitting the composition to form a cured foam.

- 20. A method of manufacturing a self-lubricating, foaming composition, comprising:
 - (A) providing a curable composition comprising an alkoxysilyl capped prepolymer, a polyhydrogen siloxane, a nitrogen-containing compound having an active hydrogen for reaction with the polyhydrogen siloxane, water and a catalyst which accelerates both foaming and cross-linking through the alkoxysilyl group;
 - (B) providing to the curable composition a silicone/polyether surfactant;
 - (C) dispensing the composition onto a substrate surface;
 - (D) exposing the composition to conditions favorable to generating a cured foam; and
 - (E) permitting the surfactant to migrate to the surface to provide a lubricious surface.

- 21. The method of claim 20, further comprising joining a second substrate surface to the lubricious surface of the cured foam.
- 22. The composition of claim 1, further comprising aminoalkyltrimethoxy silane.
- 23. The method of claim 20, further comprising adding aminopropyltrimethoxysilane to said curable composition.
- 24. A two-part curable foaming composition comprising:
 - (A) A first part comprising:
 - (i) an alkoxysilyl capped prepolymer; and
 - (ii) a polyhydrogen siloxane;
 - (iii) optionally a catalyst which accelerates both foaming and cross-linking through said alkoxysilyl groups;
 - (B) A second part comprising:
 - a nitrogen-containing compound having an active hydrogen and which accelerates both foaming and cross-linking through said alkoxysilyl groups; and
 - (ii) water;

wherein after mixing together the first and second parts a cured elastomeric foam is formed.

- 25. A two-part curable foaming composition which provides a lubricous surface comprising:
 - (A) A first part comprising:
 - (i) an alkoxysilyl capped prepolymer; and
 - (ii) a polyhydrogen siloxane;
 - (iii) optionally a catalyst which accelerates both foaming and cross-linking through said alkoxysilyl groups;
 - (iv) optionally, a lubricant; and

- (B) A second part comprising:
 - (i) a nitrogen-containing compound having an active hydrogen;
 - (ii) water; and
 - (iii) optionally a catalyst which accelerates both foaming and cross-linking through said alkoxysilyl groups;
 - (iv) optionally, a lubricant;

provided that at least one of the parts contain a catalyst and a lubricant and wherein after mixing together the first and second parts a cured elastomeric foam is formed.